

ABSTRACT

A method for manufacturing color plates includes a mold device having a chamber formed between the panels and the gasket. One portion of the gasket forms an opening to fill a
5 solution and one or more additive materials into the mold device. Air is removed from the solution by compressing the mold device. Dispose the mold device horizontally and preheat the mold device to harden the additive materials and the solution into a prototype, and to stably maintain the additive materials in position within the
10 solution. One or more patterns and a polymer outer covering may further be applied onto the color plate to form a plate product.